UMntiw of flie services of the retired scientists

1375. SHRI SANTOSH BAGRODIA : Will the PRIME MINISTER be pleased to state :

(a) whether there is any scheme for utilisation of services of the retired scientists; if so, the details thereof;

(b) whether such a scheme is being implemented by the Departments of Bio-technology and other scientific department cf the Government of India; and

(c) if so, givs the details thereof ?

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL PUBLIC GRIEVANCES AND PENSIONS (SHRIMATI MARGARET ALVA) : (a) Yes, Sir.

The Government nas initiated a scheme entitled Utilization of Scientific Expertise of Retired Scientists (USERS) during the Seventh Five Year* Plan. The following are the activities supported under this scheme :

1. Undertaking/participation of retired scientists in programmes connected with Integrated Rural Development;

2. Utilising the talent and services of retired scientists in science/educational projects such as, development of educational materials, teaching aids, and audio-visual aids.

3. Preparation of State of ths art reports, reviews and monographs eta, by th3 retired scientists.

4. Utilization of the services of retired scientists in the capacities of consultants or advisers for popularisation of science through lectures, radio" ana television centres and public fora etc.

This scheme started operating in the last quarter of the year 1986. Some of the projects under imple-matation are related to transfer of technology directly benefitting the rural poor. Protects are also being funded for bringing out monographs and books in the areas of,science where books authored by Indian scientists are not available.

(b) and (c) The Council of Scientific and Industrial Research provides financial assistance to superannuated outstanding scientists to pursue research write books/ monographs in their respective fields of specialisation. This scheme, entitled, "Emeritus Scientists Scheme" is. for those scientists who are acknowledged experts in thier fields of, specialisation and have been actively engaged in scientific research during the preceding five years of superannuation- There is also a scheme entitled INSA Senior Scientists Scheme which is being operated by the Indian National Science Academy and the awardees are called as 1NSA Senior Scientists. The objective of the scheme is to utilise the expertice of I'.NSA follows after super-annuation. The scientists have to devote a major part of ther time for research in some recognised R&D centre/university/institute. In case they desire, they can also take up writing of monographs in their specialised fields. The fellows within the age group of 58 to 70 are eligible for consideration. A number of positions of "Emeritus Medical Scientist" have been created in Indian Council of Medical Resear-ch (ICMR) for the scientists who have retired. Professors/Associate Pro-fessors in a medical college or Director/Deputy Director in an institute of an all-India character are eligible for consideration under the scheme. The scheme is designed to help the scientists to continue active research in their speciality.

Indian Council of Agricultural Research (IOAR) considers the

proposals from the retired scientists under the scheme entitled 'Emeritus Scientist Scheme. Agriculture, animal husbandry, fisheries and basic sciences relating to agriculture are the areas of research support. The duration of the support is for 2 years in the first instance but is extendable for another 2 years in especially deserving cases

University Grants Commission (UGC) also supports the retired scientists/professors under the 'Emeritus Fellowship' scheme. In addition there is book-writing programme in UGC given to superannuated Professors in the various fields of specialization. For continuing the interest of elderly scientists in research field support is provided by UGC. All these supports *are* provided to the scientist/professors upto the age of 65 years.

However, the Departments of Biotechnology. Electronics Space and Atomic Energy do not operate such schemes.

अन्तरिक्ष विभाग के अन्तर्गत विभिन्न क्षेत्रों का निजीकरण

1376. **मौलाना अबैदुल्ला खान आजमी :** क्या प्रधान मंत्री यह बताने की कृपा करेंगे कि :

(क) क्या अन्तरिक्ष विभाग के अंतर्गत विभिन्न क्षेत्रों में निजीकरण किए जाने संबंधी कोई योजना सरकार के विचाराधीन हैं ; और

(ख) यदि हां, तो उसका ब्यौरा क्या है ?

कार्मिक, लोक शिकायत और पेंशन मंत्रालय में राज्य मंत्री (श्रीमती मारग्रेट आल्वा) : (क) और (ख) जी, नहीं । फिर भी, भारतीय अन्तरिक्ष अनुसंधान संगठन (इसरो) ने पिछले वर्षों में अन्तरिक्ष परियोजनाओं की जरूरतों को पूरा करने के लिए तथा अन्तरिक्ष के लिए विकसित प्रौद्योगिकियों के प्रचक्रण वाणिज्यिक उपयोग को बढ़ावा देने के लिए, सार्वजनिक तथा निजी दोनों क्षेत्रों के राष्ट्रीय उद्योगों की गहन भागीदारी को मुख्य रूप में सुनिश्चित करने के लिए प्रौद्योगिकी अन्तरण कार्यक्रम को सक्रिय रूप में प्रोत्साहित किया है ।

Space research programme

1377. SHRI VITHAL RAO MADHAVRAO JADHAV : Will the PRIME MINISTER be pleased to state ;

(a) the details of the space re-serch programmes at ISRO likely to be undertaken during the Eigth Five Year plan period; and

(b) the progress made in satellite launching and their SLVs of indigenous creation?

THE MINISTER OF STATE IN THE MINISTRY OF PER SONNEL, PUBLIC GRIEVANCES AND PENSIONS (SHRIMATI MARGARET ALVA) : (a) During Eighth Five Year Plan the operational services in the areas of telecommunication, broadcasting, education, meteorology, disaster management and management of natural resources, provided by Indian National Satellite (INSAT) and Indian Remote Sensing Satellite (IRS) system will be sustained and augmented. Towards developing indigenous capability to launch operational satellites, Augmented Satellite Launch Vehicle (ASLV), Polar Satellite Launch Vehicle (PSLV;, Geosynchronous Satellite Launch Vehicle (GSLV) are planned to be developed. The details are as follows :

(1) *INSAT System*

The existing INSAT system wiil be augmented with the proposed